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ABSTRACT

Disclosed herein are a resistance-heated boat and a manufacturing method thereof for use in vacuum vapor deposition of a metal evaporant onto a substrate in a resistance heating manner. The boat comprises a graphite block to be formed into a boat, and a protective barrier formed at the graphite surface for preventing the graphite layer from reacting with the metal evaporant. The protective barrier has an aluminum-rich layer, and a nitrogen containing compound layer. According to the present invention, it is possible to achieve stable and continuous evaporation of metals including aluminum.